

S130369



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C3-OH

Job Sheet OH186836



Part No: C3-OH

Job Qty: 1 pcs

Part Name: C-Series Remote Hook 3,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/22/18

Job Tracking No: RA501

Due Date: 11/30/18

Created By: Michelle Gagnon-Donovan

Type: Rework - OH

Description: SN: M792-07

Note: DWG C3 Rev. 2 IPP Rev. A 18.04.24 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea	11/30/18	11/30/18	0.00	0.00	Start Up Small Fab-4		18.11.22
110	Small Fab	1 pcs	11/30/18	11/30/18	0.00	1.00	Small Fab-9		AP
120	QC	1 pcs	11/30/18	11/30/18	0.00	0.00	QC5		SN
130	Customer Acceptance	1 pcs	11/30/18	11/30/18	0.00	0.00			
140	Outsource	1 pcs	11/30/18	11/30/18			SKY002-VC	10	15-11-29
150	Packaging	1 pcs	11/30/18	11/30/18	0.00	0.00	Packaging2		DEC 06 2018
160	QC	1 pcs	11/30/18	11/30/18	0.00	0.00	QC6		38
170	Small Fab	1 pcs	11/30/18	11/30/18	0.00	1.00	Small Fab-9		AP 9-88 DAS
180	QC	1 pcs	11/30/18	11/30/18	0.00	0.00	QC5		DAS 21 JAN 09 2019
185	DC	1 pcs	11/30/18	11/30/18	0.00	0.00	DC		21
190	Packaging	1 pcs	11/30/18	11/30/18	0.00	0.00	Packaging3-2		9-88
200	QC21-FG	1 Ea	11/30/18	11/30/18	0.00	0.00	QC21		8-88
210	Outsource	1 pcs	11/30/18	11/30/18			GRO002-VC	10	21 18-12-12

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY

185 - Photocopy blue file and create labels

outsourc

DOO-1888

GREASE AEROSHELL 20.7 (M138924) 4PCS

LOCTITE 620 (M138933)

SAF-T-EZE (M128063)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C3-AR	C-Series Remote Hook 3,000 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	S129144
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	S073061
188-FSCS-832-5/8	Clock Spring Cover Screw	4 Ea (4 ea)	170-Small Fab	S126989
2595K22	Heat Shrink Tube	1 pcs (1 ea)	170-Small Fab	S073047
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	S047075
600-1309-A	Label	1 pcs (1 ea)	170-Small Fab	
8183K6	Wire Guide/Grip	1 Ea (1 ea)	170-Small Fab	S029491
AN4-16A	Bolt	3 Ea (3 ea)	170-Small Fab	S115056
AN4-17A	Bolt	1 Ea (1 ea)	170-Small Fab	S098021
AN6-15A	Bolt	1 Ea (1 ea)	170-Small Fab	S068641
02-11	Manual Release Knob	1 Ea (1 ea)	170-Small Fab	
C2-10-1	Lock Spring Pin	1 pcs (1 ea)	170-Small Fab	S029231
C2-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab	S061528

Plex 11/22/18 8:03 AM Dart.Gagnon.Michelle

C2-3-1	Latch Shaft Du Bearing	2 pcs (2 ea)	170-Small Fab	① 5093406 ① 506888
C2-3-10	Latch Shaft	1 Ea (1 ea)	170-Small Fab	
C2-3-11	Actuator	1 pcs (1 ea)	170-Small Fab	
C2-3-2	Latch Roller Pin	1 Ea (1 ea)	170-Small Fab	
C2-3-2-1	Roller Pin Retaining Ring	2 Ea (2 ea)	170-Small Fab	511638
C2-3-3	Latch Roller	1 Ea (1 ea)	170-Small Fab	
C2-3-3-1	Latch Roller DU Bearing	1 Ea (1 ea)	170-Small Fab	5120798
C2-3-5	Spacer, Teflon	2 Ea (2 ea)	170-Small Fab	511642
C2-3-6	Latch	1 Ea (1 ea)	170-Small Fab	
C2-3-8	Actuator Shaft Bushing	2 Ea (2 ea)	170-Small Fab	5117506
C2-5-1	Actuator Stop	1 Ea (1 ea)	170-Small Fab	5072964
C3-10-2	Lock Spring	1 Ea (1 ea)	170-Small Fab	5113706
C3-11-1	Side Plate - Solenoid C3-Hook	1 Ea (1 ea)	170-Small Fab	5079472
C3-12-1	Lock Bushing	2 Ea (2 ea)	170-Small Fab	5094891
C3-12-2	Lock Shaft - C3 Hook	1 Ea (1 ea)	170-Small Fab	
C3-12-3	Lock - C3 Hook	1 Ea (1 ea)	170-Small Fab	
C3-12-4	Lock Roller	1 Ea (1 ea)	170-Small Fab	
C3-12-5	Lock Roller Pin	1 Ea (1 ea)	170-Small Fab	
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	170-Small Fab	5093407
C3-13-1	Keeper Bushing	2 pcs (2 ea)	170-Small Fab	5068888
C3-13-4	KEEPER	1 Ea (1 ea)	170-Small Fab	
C3-13-5	Spring, Keeper	1 Ea (1 ea)	170-Small Fab	5089547
C3-2-1	Side Plate C-3 Hook	1 Ea (1 ea)	170-Small Fab	5077290
C3-3-4	Link Pin	2 Ea (2 ea)	170-Small Fab	
C3-3-4-1	Ring, Retaining	4 pcs (4 ea)	170-Small Fab	5117990
C3-3-7	Link	1 Ea (1 ea)	170-Small Fab	
C3-3-9	Actuator Spring	1 Ea (1 ea)	170-Small Fab	5128685
C3-4-1	Load Beam Bushing	2 Ea (2 ea)	170-Small Fab	5099320
C3-4-4A	C3 Load Beam Assy	1 Ea (1 ea)	170-Small Fab	
C3-7-1	Load Beam Bumper	1 Ea (1 ea)	170-Small Fab	5100147
C3-7-2	Lock Bumper	2 Ea (2 ea)	170-Small Fab	5120071
C3-8-2	Solenoid	1 Ea (1 ea)	170-Small Fab	5137893
C3-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab	5107444
C3-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab	5100111
C3-9-1	Clock Spring Cover - C3 Hook	1 Ea (1 ea)	170-Small Fab	
C3-9-2	Spring, Clock	1 pcs (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
M27500-16TG2T14	Wire - 16-Gauge - Shielded	1 ft (1 ea)	170-Small Fab	8075144
MS21044N4	Nut, Self-Locking	4 Ea (4 ea)	170-Small Fab	3116956
MS21083-N3	Nut	2 Ea (2 ea)	170-Small Fab	5076011
MS21083N6	Nut	1 Ea (1 ea)	170-Small Fab	5076012
MS35266-63	Solenoid Cover Screw	1 Ea (1 ea)	170-Small Fab	5075329
MS35266-63	Solenoid Cover Screw	1 Ea (1 ea)	170-Small Fab	
NAS1149F0332P	Washer	2 Ea (2 ea)	170-Small Fab	5103666
NAS1149F0363P	Washer	1 Ea (1 ea)	170-Small Fab	5027738
NAS1149F0463P	Washer	8 Ea (8 ea)	170-Small Fab	5078780
NAS1149F0632P	Washer	2 Ea (2 ea)	170-Small Fab	5048297
C3-8-3-1 SELENOID SPACER				5104175

DART
AEROSPACE

Container No: S130369



Part: C3

Job No: OH186836

Serial No/Batch: M792 - 07

Revision: 2

Inspector:

Exp Date:

Instructions:

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 01/09/19

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C3	1	0	0
170-Small Fab	188-FPSS-1032-1/4	2	232	0
	188-FSCS-832-5/8	4	141	0
	2595K22	1	30	0
	32446	2	891	0
	600.1309-A	1	0	0
	8183K6	1	11	0
	AN4-16A	3	461	0
	AN4-17A	1	413	0
	AN6-15A	1	30	0
	C2-1-1	1	9	0
	C2-10-1	1	87	0
	C2-11-2	2	75	0
	C2-3-1	2	30	0
	C2-3-10	1	11	0
	C2-3-11	1	6	0
	C2-3-2	1	0	0
	C2-3-2-1	2	98	0
	C2-3-3	1	55	0
	C2-3-3-1	1	47	0
	C2-3-5	2	110	0
	C2-3-6	1	9	0
	C2-3-8	2	48	0
	C2-5-1	1	24	0
	C3-10-2	1	47	0
	C3-11-1	1	10	0
	C3-12-1	2	49	0
	C3-12-2	1	34	0
	C3-12-3	1	2	0
	C3-12-4	1	33	0
	C3-12-5	1	13	0
	C3-12-6	2	51	0
	C3-13-1	2	40	0
	C3-13-4	1	0	0
	C3-13-5	1	45	0
	C3-2-1	1	9	0
	C3-3-4	2	52	0
	C3-3-4-1	4	92	0
	C3-3-7	1	115	0
	C3-3-9	1	79	0
	C3-4-1	2	9	0
	C3-4-4A	1	0	0
	C3-7-1	1	24	0
	C3-7-2	2	65	0
	C3-8-2	1	5	0
	C3-8-4	1	21	0
	C3-8-5	1	10	0
	C3-9-1	1	24	0
	C3-9-2	1	44	0
	EL-PLUG-M	1	69	0
	M27500-16TG2T14	1	83	0
	MS21044N4	4	196	0
	MS21083-N3	2	72	0
	12/0 Aberdeen Street	1	134	0
	Hawkesbury, ON K6A 1K7	2	49	0
	CANADA	2	851	0
	TEL : 1 613 632-5200	1	540	0
	Email: sales@dartaero.com	8	780	0
	www.dartaerospace.com	2	318	0

DART
AEROSPACE

Container No: S130369



Part: C3

Job No: OH186836

Serial No/Batch: M792 - 07

Revision: 2

Inspector:

Exp Date:

Instructions:

Date: 11/29/18

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ot be found.

Plex 11/22/18 8:03 AM Dart.Gagnon.Michelle

Inspection Sheet Complete RA501

Customer QA Ref # 0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
C3	M792-07	1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S129144	Overhaul
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: _____ 0

Date: 0-Jan-00 _____

DATE: 2018/11/28

N.D.T

MODEL: C3

S/N : M792-07

Job : OH186836 RA.# 501

P/N	DESCRIPTION	QUANTITY
	LOAD BEAM	1
C3-12-3	LOCK	1
C3-12-2	LOCK SHAFT	1
C3-12-4	LOCK ROLLER	1
C3-12-5	LOCK ROLLER PIN	1
C2-3-11	ACTUATOR SHAFT	1
C3-3-7	LINK	1
C3-3-4	LINK PINS	2
C2-3-6	LATCH	1
C2-3-3	LATCH ROLLER	1
C2-3-2	LATCH ROLLER PIN	1
C2-3-10	LATCH SHAFT	1

ALAIN PATRY

RETURN AUTHORIZATION



RA501

November 15, 2018
Matt Simmons
matt.s@firehawk.email
Jennifer Renwick

RA #:

Date:
Attention:
E-mail:
From:

☐ Eugene
Dart Aerospace Ltd.
190 S. Danebo Avenue
Eugene, OR 97402, US
1-541-344-9953

☐ Vista
Dart Aerospace Ltd.
3030 Enterprise Court, Suite A
Vista, CA 92081-8347, US
1-760-724-5300

☒ Hawkesbury
Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7, CA
1-613-632-3336

RETURN ADDRESS

Item #2

Customers Choice

Customers Account

SHIPPING

Courier:
Account #:

Item #1

C3

Hook

1 Yes \$500

Item #3

M792-07

0

0

0 \$0

Item #5

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COMMERCIAL INVOICE INFORMATION

Item #1

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

QUOTE ACKNOWLEDGEMENT

CUSTOMER

Customer Code: CBRAI02

Sold To: Brainerd Helicopters Inc
8850 Airport Boulevard
Leesburg, FL 34788
USA
Phone: (352) 365-9077

Ship To: Brainerd Helicopters Inc
8850 Airport Boulevard
Leesburg, FL 34788
USA
Phone: (352) 365-9077

QUOTE

Quote No : 11237

Date: 11/15/18

Ship-To Contact: Matt Simmons

Email: matt@firehawkhelicopters.com

Cust PO No:

FOB: Shipping Point

Ship Via:

Freight Terms: PrePaid

Terms: Net 30

INCO Terms:

Order Taker: Caitlin Crooks

Order Taker Phone:

Order Taker Email: ccrooks@dartaero.com

Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1			C3	C-Series Remote Hook 3,000 lbs Lift Capacity	1	pcs	\$1,091.00USD	pcs	\$1,091.00 USD
Sub Total									\$1,091.00 USD
Grand Total									\$1,091.00 USD

ORDER NOTES

TAX ID 41-0999368

The overhaul cost includes the normal replacement parts. If any issues are found, we will notify of the issue and cost before proceeding. Customer must add to their PO "for repair only".

All Prices Quoted In USD & Valid For 30 Days. All Parts Subject To Prior Sale & Are Ex-Works Manufacturing Facility In Hawkesbury, ON, Canada

Duties And Taxes Not Included In Quote

Freight Not Included In This Quote

Lead Time 6 Weeks After Receipt of Order

Pricing may be revised upon receipt and inspection of unit. Revised quote will be sent to also include extra parts/time needed to perform repairs other than regular overhaul



REPAIR ORDER



Order Number
000287

Date
15-Nov-2018

Status
Shipped To Vendor

Account Code

Reference
N234BH Remote Hook
Overhaul

Contact
Caitlin Crooks

Vendor	Ship To	Bill To	Shipping
Dart Aerospace Ltd	Brainerd Helicopters, Inc 8850 Airport Blvd Leesburg, FL 34788 United States	BHI Helicopters, Inc 8850 Airport Blvd Leesburg, FL 34788 United States	FedEx Standard Overnight

Item	Quantity	Unit Price	Total
AS350 Remote Cargo Hook (PN: C3) (SN: M792-07)	1.00 EA	\$1,091.00	\$1,091.00
Subtotal			\$1,091.00
Shipping			\$0.00
Sales Tax			\$0.00
Total			\$1,091.00

Notes & Instructions

Reference RA501

Authorized By Signature

Authorized By Name

Authorization Date



REPAIR ORDER



Order Number
000287

Date
15-Nov-2018

Status
Shipped To Vendor

Account Code

Reference
N234BH Remote Hook
Overhaul

Contact
Caitlin Crooks

Vendor	Ship To	Bill To	Shipping
Dart Aerospace Ltd	Brainerd Helicopters, Inc 8850 Airport Blvd Leesburg, FL 34788 United States	BHI Helicopters, Inc 8850 Airport Blvd Leesburg, FL 34788 United States	FedEx Standard Overnight

Item	Quantity	Unit Price	Total
AS350 Remote Cargo Hook (PN: C3) (SN: M792-07)	1.00 EA	\$1,091.00	\$1,091.00
Subtotal			\$1,091.00
Shipping			\$0.00
Sales Tax			\$0.00
Total			\$1,091.00

Notes & Instructions

Reference RA501

Authorized By Signature

Authorized By Name

Authorization Date

This invoice must be completed in English

COMMERCIAL INVOICE

EXPORTER : Tax ID# : 59-1501748 Contact Name : Matt Simmons Telephone No. : 352-365-9077 E-Mail : jean@firehawkhelicopters.com Company Name/Address : Brainerd Helicopters, Inc 8850 Airport Blvd Leesburg FL 34788 Country : United States Parties to Transaction: ☐ Related ☒ Non-Related Payment Terms : Purpose of Shipment : Return and Repair	Ship Date : 15 Nov, 2018 Air Waybill No. / Tracking No. / Bill of Lading : 773736103810 Invoice No. : Purchase Order No. :																
CONSIGNEE : Tax ID# : Contact Name : Attn:Caitlin Crooks Telephone No. : 6136325200 E-Mail : Company Name/Address : Dart Aerospace 1270 Aberdeen St HAWKESBURY ON K6A1K7 Country : Canada	SOLD TO (if different from Consignee) : ☒ Same as CONSIGNEE : Tax ID# : Company Name/Address : Country :																
If there is a designated broker for this shipment, please provide contact information Name of Broker Tel No. Contact Name Duties and Taxes Payable by ☒ Exporter ☐ Consignee ☐ Other If Other, please specify																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No. of Packages</th> <th>No. of Units</th> <th>Unit of Measure</th> <th>Description of Goods</th> <th>Harmonized Tariff Number</th> <th>Country of Origin</th> <th>Unit Value</th> <th>Total Value</th> </tr> </thead> <tbody> <tr> <td></td> <td>2.00</td> <td>EA</td> <td>Return and Repair - C3 Cargo Hook</td> <td></td> <td>CA</td> <td>250.000000</td> <td>500.00</td> </tr> </tbody> </table>		No. of Packages	No. of Units	Unit of Measure	Description of Goods	Harmonized Tariff Number	Country of Origin	Unit Value	Total Value		2.00	EA	Return and Repair - C3 Cargo Hook		CA	250.000000	500.00
No. of Packages	No. of Units	Unit of Measure	Description of Goods	Harmonized Tariff Number	Country of Origin	Unit Value	Total Value										
	2.00	EA	Return and Repair - C3 Cargo Hook		CA	250.000000	500.00										
Total No. of Packages : 1 Total Weight (Indicate LBS or KGS) : 15.00 lbs																	
Special Instructions :																	
Declaration Statement(s) : These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.																	
I declare that all the information contained in this invoice to be true and correct																	
Originator or Name of Company Representative if the invoice is being completed on behalf of a company or individual : <i>Matthew Simmons</i>																	
Signature / Title / Date <i>11/15/18</i>																	

	Terms of Sale : Subtotal : 500.00 Insurance : 0.00 Freight : 0.00 Packing : 0.00 Handling : 0.00 Other : 0.00 Invoice Total : 500.00 Currency Code : USD
15 Nov, 2018	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041888**

Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO041888
PO Date: 11/29/18
Due Date: 12/10/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH186836	C3-OH	C-Series Remote Hook 3,000 lbs Lift Capacity	Firmed	-	12/10/18	1 pcs	0 pcs	1 pcs	\$445.00/pcs	\$445.00
2	OH186837	C2-OH	C-Series Remote Hook 2,000 lbs Lift Capacity	Firmed	-	12/10/18	1 pcs	0 pcs	1 pcs	\$175.00/pcs	\$175.00
Grand Total:											\$620.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/29/18 10:49 AM dart.tsimiklis.chrisoula

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO38434	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO041888
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	

Task: **UNSCHEDULED**

Sequence: 1

Work Required:

CARRY OUT NDT ON :

1 C-SERIES REMOTE HOOK (13 PCS), P/N# C3-OH , J/S# OH186836

1 C-SERIES REMOTE HOOK (10 PCS), P/N# C2-OH, J/S# OH186837

Action Taken:						Date:	Initial/Stamp:
LPI & MPI INSPECTION CARRIED OUT AS PER ASTM E-1417 AND E-1444 Rev. 16 ***NO CRACK FOUND*** MAGBENCH S/N 208123 CAL DUE: 05-APR-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO13923 BLACK LIGHT-M20186 PEN ZL-37, MPO13139, CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO15896), DEV. MPO15030, UV LIGHT M-20142.						DEC 04 2018	 
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp	Date:
Name: RAFIK MELIKIAN		DEC 04 2018



DATE: 2018/12/11

NICKEL PLATING

MODEL: C3

S/N : M792-07

P/N	DESCRIPTION	QUANTITY
C3-4-4A	LOAD BEAM	1
C3-13-4	KEEPER	1
C3-12-3	LOCK	1
C3-12-1	LOCK ROLLER	1

ALAIN PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042056**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO042056
PO Date: 12/17/18
Due Date: 12/21/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH186836	C3-OH	C-Series Remote Hook 3,000 lbs Lift Capacity -Nickel plate, QQ-N-290, Class 2, Grade E or F ****verify plating thickness, grade could change**** - Nickel Plate .0004- .0006 - Certificate of Conformity is required	Firmed	-	12/21/18	1 pcs	0 pcs	1 pcs	\$210.00/pcs	\$210.00
2	OH186837	C2-OH	C-Series Remote Hook 2,000 lbs Lift Capacity -Nickel plate, QQ-N-290, Class 2, Grade E or F - Nickel Plate .0004- .0006 - Bake after plating - Certificate of Conformity is required c2-4-4a: NICKEL PLATE .0009 - .0011 THICK C2-12-3: NICKEL PLATE .0004- .0006	Firmed	-	12/21/18	1 pcs	0 pcs	1 pcs	\$210.00/pcs	\$210.00
Grand Total:											\$420.00

DAE
38
9-85



Certificat de Conformité / Certificate of Compliance

(015458-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

015458 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
20-Dec-2018		Aman		042056 ✓				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	C3-OH Rev. ✓	C3-OH 01 -E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING	E-NICKEL STEEL LOT	1	1 ✓	0	0	0
2	C2-OH Rev. ✓	C2-OH NICKEL PLATE PER QQ-N-290 CLASS 2 GRADE E OR F 0.0009-0.0011 THICK AND BAKE	E-NICKEL STEEL LOT	1	1 ✓	0	0	0

DAS
38
9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been processed in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

Pre test

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

Old SOLENOID (H2817-024)

Work Order OH 186 836Customer RA 501Serial Number M792-07Date 2018-11-28

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	7,500	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	1,500	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	3,000	Electircal, 22 volts	Current shall not exceed 4.5A <i>4.0</i>	A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 4.5A <i>4.0</i>	A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 4.5A <i>4.0</i>	A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 4.5A <i>4.0</i>	A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 4.5A <i>3.5</i>	A	Pass
1	3,000	Electircal, 20 volts	Current shall not exceed 4.1A	A	Fail
1	3,000	Electircal, 28 volts	Current shall not exceed 5.7A <i>5.0</i>	A	Pass
1	3,000	Manual		N/A	Pass
1	3,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 4.9-5.6 Ohms <i>5.6</i>	Ohm	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

Michel Leclerc

Technician

Signature: _____

QC 5 Small FAB / QA

Submit



Overhaul Incoming Inspection
C3 Cargo Hook

Customer

RA501 / 04186836

Date

2018/11/28

Part Number

C3

Serial Number

M792-07

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

C3-2-1 SIDE PLATE (KNOB SIDE)

☐

C3-11-1 SIDE PLATE (SELENOID SIDE)

☐

C3-8-2 SELENOID

☐

C2-5-1 ACTUATOR STOP

☐

C3-8-5 SELENOID COVER

☐

CORD GRIP CABLE CONNECTOR

☐☐☐☐☐

Inspected By

ALAIN PATRY



Remote Cargo Hook Test Form

C3

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

NEW SOLENOID (152951-001)

Work Order 04 186836

Customer RA 501

Serial Number M792-07

Date 2019-1-9

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	7,500	Static Hold	Hold for two minutes and reduce load to zero	N/A	Pass
10	1,500	Electrical, 25 volts	No "hang ups" permitted	N/A	Pass
2	3,000	Electrical, 22 volts	Current shall not exceed 12.8 A 9.0	A	Pass
2	2,500	Electrical, 22 volts	Current shall not exceed 12.8 A 6.8	A	Pass
2	2,000	Electrical, 22 volts	Current shall not exceed 12.8 A 7.0	A	Pass
2	1,500	Electrical, 22 volts	Current shall not exceed 12.8 A 7.0	A	Pass
2	500	Electrical, 22 volts	Current shall not exceed 12.8 A 7.0	A	Pass
1	3,000	Electrical, 20 volts	Current shall not exceed 11.6 A 6.0	A	Pass
1	3,000	Electrical, 28 volts	Current shall not exceed 16.2 A 8.0	A	Pass
1	3,000	Manual		N/A	Pass
1	3,000	Impact Test	Impact shackle 10x, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ω 2.0	Ω	Pass
1	N/A	Electrical Continuity	Across both wires	N/A	Pass

Test Conducted By: Michael Lalande
Technician

Signature: Sylvie paucher
QC 5 Small FAB / QA

Submit